

US-PAT-NO: 6339646  
DOCUMENT- US 6339646 B1  
IDENTIFIER:  
TITLE: Slotted mode code usage in a cellular  
communications system

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**Abstract Text - ABTX (1):**

The downlink channelization code limitation problem encountered in spread spectrum or CDMA cellular systems is resolved by using codes from a different, non-orthogonal code set when operating in the slotted mode. The non-orthogonal code sets can be constructed by using the same channelization code tree, but applying a different scrambling code.

**Brief Summary Text - BSTX (14):**

In accordance with the present invention, the downlink channelization code limitation problem encountered in spread spectrum or CDMA cellular systems is resolved by using codes from a different, non-orthogonal code set when operating in the slotted mode. The non-orthogonal code sets can be constructed by using the same channelization code tree, but applying a different scrambling code.

**Detailed Description Text - DETX (3):**

Essentially, in accordance with the present invention, the downlink channelization code limitation problem encountered in spread spectrum or CDMA cellular systems is resolved by using codes from a different, non-orthogonal code set when operating in the slotted mode. The non-orthogonal code sets can be constructed by using the same channelization code tree, but applying a different scrambling code.